

Thermo Dynamic Calculations for the Spinning Process  
of Synthetic Fibers, by V. Pechoc, 14 pp.

GERMAN, per, Faserforschung Textilt, Vol X, No 2,  
1959, pp 62-67.

SLA 59-15815

Sci  
Jan 60  
Vol 2, No 5

104,787

Theoretical Studies on the Doffer Cylinder  
Diameter of Wool Carding Machines, by E.  
Boroczy.

GERMAN, per, Faserforschung und Textiltech-  
nik, Vol X, No 2, 1959, pp 67-75.

CSIRO 5051

Sci - Engr  
Apr 62

191,390

A Method for Measurement of Bulkiness of Fiber  
Flock, by Hermann, Vieth, 31 p.

GERMAN, per, Faserfor und Textilt, 1959, Vol X, No  
No 3, pp 104-114.

SLA 59-17263

Sci  
Dec 59  
Vol 2, No 6

103,950

<p>Mösch, R. OUR KNOWLEDGE OF THE CHEMICAL CLEANING PROCESS, I (Zur Kenntnis der Chemischreinigung, I) tr by D. A. Sinclair. 1961. 27p. 24 refs. NRCC Technical Trans. 928. Order from NRCC \$1.50</p> <p>Trans. of <u>Faserforschung und Textiltechnik</u> (Germany) 1959, v. 10, no. 3, p. 129-137 (Also as Institute for Textile Technology of Chemical Fibres, Rudolstadt (East Germany). Rept-42).</p> <p>151916 NRC-TT-928</p> <p>(Materials, TT, v. 3, no. 9)</p>	<p>61-12879</p> <p>1. Detergents--Properties 2. Cleaning fluids--Properties I. Mösch, R. II. NRCC TT-928 III. NRCC C-8572 IV. National Research Council of Canada</p> <p>Office of Technical Services</p>
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Investigation of the Problem of Filament Formation  
from Viscose Solutions, by H. Klare, A. Grobe, 6 p.

GERMAN, par, ~~Faserforsch~~<sup>X</sup> und Textiltech, 1959,  
Vol X, No 4, pp 155-158.

ATS-35L340

Sci  
Mar 60  
Vol 2, No 11

109,618

Investigation of the Influence of the Precipitant  
on Filament Formation During the Wet Spinning of  
Polyacrylonitrile, by V. Grobe, K. Mayer, 16 p.

GERMAN, por, Faserforsch u Textiltech, 1959,  
Vol X, No 5, pp 214-224.

Sci  
Mar 60  
Vol 2, No 11

ATS-69L330 (161-F-21.65)  
SLA-63-18345 (281P-2.60)

109616

Anionic Polymerization of Lactams; Contribution  
to the Mechanism of Rapid Caprolactam  
Polymerization, by Siegfried Schaaf, 20 p.

GERMAN, per, Faserforsch und Textil, 1959, Vol X,  
No 5, pp 224-231.

SLA 59-20892

Sci  
Mar 60  
Vol 3, No 1

110,873

Theoretical Set Characteristic of a Set of  
Cards for Woollen Yarn, by E. Boroczky.

GERMAN, per, Faserforschung und Textiltechnik,  
Vol X, No 6, 1959, pp 282-289.

CSIRO 4868

Sci - Chem

Jun 61

156,525



The Fine Structure of Polyamides. I. X-Ray  
Determination of the Fine Structure of Perlon-L  
Fibers Spun in Different Ways, by C. Ruscher,  
H. Versauer,

GERMAN, per, Faserforsch und Textiltechnik,  
Vol X, No 6, 1959, pp 245-248.

ATS 346-GJ

HTS-911.256

Sci - Chem

Aug 60

123,330

Wilke, Artur.  
THE CONDITIONS OF THE AMBIENT AIR IN  
VISCOSE PROCESSING. June 60 [23]p. 11 refs.  
Order from SLA m\$2.70, ph\$4.80 61-10216

Trans. of Faserforschung und Textiltechnik (Germany)  
1959, v. 10, no. 7, p. 297-308.

143,200

61-10216

1. Cellulose--Processing
2. Air--Contamination
3. Sanitary engineering
1. Wilke, A.

Office of Technical Services

(Engineering--Sanitation, TT, v. 5, no. 4)

On the Oxidation of Cellulose with Nitrogen  
Dioxide. A Continuous Process for Celluronic  
Acid, by H. Dams.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 10, No 7, 1959, pp 319-327.  
NTC-69-12948-11E

Sci-Mat  
Sept 69

391,222

Breaking Strength of Filaments as a Function of  
Specimen Length. III. A New Characteristic and  
Its Value for Different Types of Filaments, by  
A. Sippel,

GERMAN, per, Faserforsch und Textiltechnik, Vol X,  
No 8, 1959, pp 369-371.

ATS 353-GJ

Sci - Chem

Aug 60

123,334

62-16460

Schwertassek, Karl.

A SIMPLE METHOD TO DETERMINE THE FIXING  
DEGREE OF POLYAMIDE AND POLYESTER  
FIBERS. [1962] 16p. (figs. omitted) 8 refs.  
Order from SLA \$1.60

62-16460

Trans. of [Faserforschung und Textiltechnik]  
(Germany) 1959, v. 10, no. 8, p. 387-392.

DESCRIPTORS: Polymers, \*Amides, \*Esters,  
\*Synthetic fibers, \*Silk, Sulfuric acid, Temperature,  
Separation, \*Textiles, Processing.

The temperature is ascertained at which the test fiber  
dissolves in sulfuric acid of certain concentration  
within 4 to 5 or 3 to 4 seconds. The test was carried  
out macroscopically. Its application is described on  
polyamide-6- and polyamide-66 fibers as well as  
polyester silk. The method is simple in its execution  
and thus suitable for a running work control. (Author)

I. Schwertassek, K.

(Materials--Textiles, TT, v. 8, no.9)

Office of Technical Services

Bobeth, Wolfgang and Piechotka, Gertraut.  
MICROSCOPIC SWELLING STUDIES ON MECHANICALLY STRESSED POLYAMIDE FIBERS. [1962] 10p.  
(15 figs. 3 tables omitted) 6 refs.  
Order from SLA \$1.10

62-16622

Trans. of Faserforschung und Textiltechnik (Germany)  
1959, v. 10, no. 10, p. 464-[472].

DESCRIPTORS: \*Fibers, \*Amides, \*Polymers, Stresses, Microanalysis, Sulfuric acid.

When exact experimental conditions are held constant, reproducible swelling studies on polyamides in sulfuric acid solution are possible. If the time interval is measured for the exactly defined swelling process, the result is a quantitative method of measuring and evaluating the qualitative state of polyamide fiber materials. It has been shown that graduated degrees of twisting, stretching, shearing, bending and squeezing. (Materials--Textiles, TT, v. 8, no. 6) (over)

62-16622

I. Bobeth, W.  
II. Piechotka, G.

Office of Technical Services

Influence of Various Properties of Top Roller Coverings  
of Synthetic Rubber Upon the Running Properties in  
the Drawing System of Cotton Ring Spinning Machines,  
by K. H. Banke,

GERMAN, per, Faserforschung und Textil-Technik,  
Vol X, ~~1959~~ No 11, 1959, pp 507-514.

GB/57/1113568T (906)

Sci  
Dec 62

Mieck, Klaus-Peter.  
CONTRIBUTION TO THE TESTING OF THE  
FATIGUE BEHAVIOR OF TIRE CORDS VULCANIZED  
INTO RUBBER (Beitrag zur Prüfung des Ermüdungs-  
verhaltens von in Gummi Einvulkanisierten  
Reifencorden). [1961] [31] p. (foreign text included)  
22 refs.  
Order from SLA \$3.60

61-16590

Trans. of Faserforschung und Textiltechnik (Germany)  
1959, v. 10 [no. 12] p. 578-587.

DESCRIPTORS: Vulcanization, \*Fatigue (Mechanics),  
\*Tires, Tests, \*Synthetic rubber, Cordage.

The effects of the adjustment of the De-Mattia tester  
and the preparation of the test body on the results of  
the fatigue tests of tire cords were examined. Constant  
vulcanization conditions, thickness of the sample, and  
rubber mixture decrease the scattering of the results.  
(Materials--Rubber, TT, v. 6, no. 8) (over)

61-16590

I. Mieck, K.-P.

125163

Office of Technical Services



62-14079

Moehring, Albert and Duwe, Günter.

VARIATION OF THE DOUBLE REFRACTION AS AN  
EXPRESSION OF THE STRUCTURE DEVELOPMENT  
DURING THE HEATING AND RECOOLING OF HIGH-  
POLYMERIC FIBERS. II. POLYAMIDE FIBERS. [1962]  
23p. (13 figs. omitted) 11 refs.  
Order from SLA \$2.60

62-14079

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11 [no. 1] p. 7-15.

DESCRIPTORS: \*Synthetic fibers, \*Amides, \*Polymers,  
Processing, Refractive properties, Heating, Cooling.

(Materials--Textiles, TT, v. 9, no. 2)

- I. Title: Perlon
- I. Moehring, A.
- II. Duwe, G.
- III. Title: Polyamide ...

Office of Technical Services

Investigations of the Effect of the Precipitant  
of Filament Formation in the Wet Spinning  
of Polyacrylonitrile. II. Pilot Scale  
Experiments, by V. Grobe, 14 pp.

GERMAN, per, Faserforsch und Textiltech,  
Vol XI, No 2, 1960, pp 53-62.

ATS-23400

ATS-729-65

Sci  
10 Mar 62  
Vol 4, No 4

187, 135

Groebe, V. and Versacumer, H.  
ON THE PROBLEM OF DENIER VARIATIONS IN  
THE MELT-SPINNING OF POLYAMIDES AND POLY-  
ESTERS. May 60 [3]p. 1 ref.  
Order from SLA m\$1.80, ph\$1.80 61-10161

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11, no. 2, p. 90-91.

143,214

(Materials--Textiles, TT, v. 5, no. 4)

61-10161

1. Amide polymers--  
Extrusion
2. Esters--Polymerization
3. Title: Melt spinning
- I. Groebe, V.
- II. Versacumer, H.

Office of Technical Services

Edelmann, Kurt.  
THE FLOW CHARACTERISTICS OF BRANCHED  
MACROMOLECULES. [1961] 24p. 16 refs.  
Order from SLA \$2.60 61-16542

Trans. of Forschung und Textiltechnik (Germany)  
1960, v. 11 [no. 3] p. 107-113.

DESCRIPTORS: Organic solvents, \*Styrenes, \*Poly-  
mers, Molecular weight, Solutions, Acrylonitriles,  
\*Textiles, Molecular structure.

We show first of all, with reference to a polystyrene,  
that the inclination of the flex point line is not influenced  
by the solvent while the state of solution remains con-  
stant. This inclination, as a deviation from the hori-  
zontal position observed in the case of linear macro-  
molecules, can only be interpreted as a deviation from  
linear structure. We then demonstrate with the use of  
linear polyacrylonitrile and differently branched poly-  
(Materials--Textiles, TT, v. 6, no. 6) (over)

61-16542

I. Edelmann, K.

176553

Office of Technical Services

Philipp, Burkart and Fichte, Christa.  
KINETIC STUDIES ON THE DECOMPOSITION OF  
XANTHATES. [1961] [23]p.  
Order from SLA \$2.60

61-16589

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11 (no. 3) p. 118-124.

DESCRIPTORS: \*Xanthic acids, Decomposition, Re-  
action kinetics, Textiles.

The course of decomposition of xanthates of mono- and  
polyhydric alcohols (ethanol, 1-4-butanediol, 1-3-  
butanediol, ethylene glycol, glycerine) as well as of  
monomeric sugars (glucose, xylose) in aqueous solution  
was investigated in a wide pH-range (pH 4.6 to 7 n  
NaOH), and compared with the process of decomposi-  
tion of dilute solutions of pure cellulose xanthate. Con-  
sidering earlier results of our own investigation as  
well as the work published by other authors, the mech-  
anism of decomposition is discussed for the various  
(Chemistry--Organic, TT, v. 6, no. 5) (over)

61-16589

I. Philipp, B.  
II. Fichte, C.

180481

Office of Technical Services

Sippel, Arnulf.  
DEPENDENCE OF THE TENSILE STRENGTH OF  
FILAMENTS ON THEIR GAUGE LENGTH. IV. IN-  
TERPRETATION OF THE CONSTANTS (Zur Abhängig-  
keit der Reißfestigkeit von Fäden von der Faserlän-  
ge. IV. Zur Deutung der Konstanten). 31 Apr 62,  
[6]p. 4 refs.  
Order from SLA \$1.10

63-10809

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11, no. 5, p. 219-220.

DESCRIPTORS: \*Fibers (Synthetic), Tensile properties,  
Threads, Equations.

(Materials--Textiles, TT, v. 10, no. 2)

63-10809

- I. Title: Gauge length
- I. Sippel, A.
- II. Title: Interpretation ...

Office of Technical Services

62-16740

Roth, Werner and Schroth, Rudi.  
SPINNING AND [DRAWING] OF POLYCONDENSATE  
FILAMENTS. I. THE EFFECT OF SPINNING CONDI-  
TIONS ON THE STRETCHING PROCESS. [1962] 21p.  
(15 figs. omitted) 11 refs.  
Order from SLA \$2.60

62-16740

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11, no. 7, p. 312-319.

DESCRIPTORS: \*Synthetic fibers, Production, Polymers,  
Amides, Esters, Stresses.

A method for the tracing of stress-elongation diagrams  
is described. The effect of the spinning conditions on  
the pre-orientation for polycondensate filaments  
(especially polyester filaments) is examined. Beside  
the maximum stretching rate, the natural stretching  
rate and the shrinking of the unstretched material is a  
measure of the pre-orientation. The changes of  
(Materials--Textiles, TT, v. 8, no. 6) (over)

I. Roth, W.  
II. Schroth, R.  
III. Title: Effect ...

Office of Technical Services

Kresse, Peter.  
BLOCK-CONDENSATION OF POLYETHYLENE  
TEREPHTHALATE WITH POLYESTERS. [1962] 12p.  
(figs. omitted) 27 refs.  
Order from SLA \$1.60

62-20378

Trans. of *Faserforschung und Textiltechnik* (Germany)  
1960, v. 11, no. 8, p. 353-359.

DESCRIPTORS: \*Block polymers, \*Polyethylene plastics,  
\*Phthalates, \*Polyester plastics, Condensation reactions,  
Dyes, Fibers (Synthetic).

The interchange reactions taking place in the melt  
between polyethylene terephthalate and various poly-  
esters are examined and the factors determining their  
rate of reaction discussed. With shortened cocondensa-  
tion times, block polyesters are prepared which may be  
spun into fibers having improved dyeing properties.  
Polyethylene hexahydroterephthalate is especially appro-  
priate for the block component. (Author)

62-20378

1. Kresse, P.

(Materials--Textiles, TT,  
v. 10, no. 1)

Office of Technical Services



Kern, Walter F.  
STRAINS TO WHICH CORD IS SUBJECT IN TIRES  
AND DISCUSSION. Papers and discussion from  
Colloquium of Deutsche Rheologen-Vereinigung e V.  
[held at] Bad Oeynhausen, 23 Oct 59 [1961] 34p. 2 refs  
Order from RIS \$60.00 RIS C-147

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11 [no. 9] p. 401-408 and 423-427.

DESCRIPTORS: \*Tires, Tests, Stresses, Test meth-  
ods, \*Cordage, Synthetic fibers

Standard extension-measuring strips have been used  
to evaluate the strains to which a tire is subject at dif-  
ferent points and under different conditions, in order  
to characterize the complex nature of the demands  
made on the cord in a tire. It is found that the stresses  
do not occur sinusoidally, but in the form of impacts  
and shocks. The nature and the magnitude of the  
strains allow certain conclusions to be drawn concern-  
ing the testing of tire cord. (Author)

61-22493

- I. Kern, W. F.
- II. RIS C-147
- III. Research Information  
Service, New York
- IV. Title: Colloquium...

175310

Office of Technical Services

(Materials, TT, v. 6, no. 3)

The Dynamic of Tire Cords with Alternating  
Tensile Stress, by H. Meumann.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 11, No 9, 1960, pp 444-456.  
NTC 71-14177-11E

Feb 72

Analysis of the Operation of the Fancy on a  
Wollen Card, by E. Borocz.

GERMAN, per, Faserforschung und Textiltech-  
nik, Vol XI, No 10, 1960, pp 481-487.

CSIRO 5364

Sci - Engr  
Aug 62

207,459

Helm, Ernst.  
ON THE POSSIBILITIES OF CHARACTERIZING  
NYLON 6 BY VISCOSITY MEASUREMENTS IN 90%  
FORMIC ACID. Jan 64, 5450 words  
Order from LSA \$50.00

Trans. of Fasertforschung und Textiltechnik (East  
Germany) 1960, v. 11, no. 11, p. 513-523.

DESCRIPTORS: \*Nylon, Viscosity, \*Formic acids

(Materials--Textiles, TT, v. 11, no. 11)

TT-64-12320

I. Helm, E.  
II. Literature Service  
Associates, Bound  
Brook, N. J.

TIL T 2377

Office of Technical Services

Möhring, Albert and Duve, Günter.  
ROD BIREFRINGENCE OF POLYACRYLONITRILE  
FIBERS. [1961] [15]p. 12 refs.  
Order from SLA \$1.60

61-20632

Trans. of Faserforschung und Textiltechnik (Germany)  
1960, v. 11, no. 12, p. 583-590.

DESCRIPTORS: \*Acrylonitriles, \*Polymers, \*Synthetic  
fibers, Permeability, Liquids, Chemical properties,  
Light, \*Refractive index, Moisture content, Porosity,  
Adsorption, Temperature, Rods, Mathematical anal-  
ysis, \*Textile industry.

A rod birefringence could be clearly proved in wet-  
spun PAN fibers in the spin-moistened state and after  
drying at room temperature. These fibers, which have  
a good permeability and which exhibit no, or only very  
weak, swelling in most known imbibition media, have  
(Materials--Textiles, TT, v. 7, no. 4) (over)

61-20632

I. Möhring, A.  
II. Duve, G.

Office of Technical Services

63-10804

ZINC-CELLULOSE XANTHATION DURING SPINNING  
VISCOSE INTO  $ZnSO_4$ -CONTAINING BATHS. [1962]

[6]p. 9 refs.

Order from SLA \$1. 10

63-10804

Trans. of Faserforschung und Textiltechnik (Germany)  
1961, v. 12, no. 1, p. 29-30.

DESCRIPTORS: Zinc, Cellulose, \*Viscose, Processing,  
Manufacturing methods, Xanthic acid, Sulfates.

1. Title: Xanthation
2. Spinning baths

(Materials--Textiles, TT, v. 10, no. 7)

Office of Technical Services

Schorning, Paul.  
INVESTIGATIONS ON HYDROLYSIS AND PRE-  
HYDROLYSIS OF WOODS PARTICULARLY IN AN  
ORGANIC AQUEOUS MEDIUM. [1963] 16p. 20 refs.  
Order from SLA \$1.60 63-14717

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1961, v. 12, no. 2, p. 49-55.

DESCRIPTORS: \*Wood, \*Cellulose, Degradation,  
Hydrolysis, Hydrochloric acid, Alcohols, \*Catalysts,  
Sodium compounds, Chlorides, Formaldehyde,  
Complex compounds, Propanes, Phenyl radicals,  
\*Lignin, \*Carbohydrates, Solubility, Sulfate pulps.

The following experiments are described and interpreted:  
(1) Comparison of prehydrolysis in pure aqueous HCl  
and in presence of alcohol. A correlation was found  
between carbon chain length of the respective alcohol  
(Materials--Wood, TT, v. 10, no. 7) (over)

63-14717

1. Schorning, P.

Office of Technical Services

On the Investigation of the Influence of  
Twisting on the Performance of Tire Cords, by  
K. -P. Mieck.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 12, 1961, pp 331-343.  
NTC-71-12681-11E

Nov 71



Wet Strength of Leaf-, Stalk- and Fruit  
Fibres, by W. Bobeth, H. Martin.

Germann, per, Faserforschung und Textil-  
technik, Vol XII, 1961, pp 587-593.

GB/221

Sci-N/H

Aug 63

62-10243

Brandrup, Johannes.  
COPOLYMERIZATION IN WATER. Pt. 1 of Copolymerization in a Heterogeneous Medium. Dissertation Halle U. (East Germany) 1961. [1961] 33p. 25 refs.  
Order from SLA \$3.60 62-10243

Trans. of Faserforsch[ung] und Textiltech[nik]  
(Germany) 1961, v. 12, no. 4, p. 133-140.

DESCRIPTORS: \*Water, \*Copolymerization, Acrylonitriles, Polymers, Precipitation, Solutions, Mathematical analysis, Adsorption, Particles.

In the copolymerization of acrylonitrile and ethyl acrylate in water, different  $r$  values are determined than in the copolymerization in dimethylformamide. These deviations, not explainable by the copolymerization equation, can be attributed to the increasing heterogeneity of the polymerization in water, which is brought about by the (Chemistry--Organic, TT, v. 7, no. 9) (over)

- I. Brandrup, J.
- II. Title: Copolymerization in a ...
- III. Halle U. (East Germany)

Office of Technical Services

TT-65-12332

Field 11E

Groebe, A.; Maron, R.; Klare, H.  
FORMATION REACTION OF SINGLE VISCOSE FILA-  
MENTS, 13. MECHANISM OF FORMATION OF RE-  
GENERATED CELLULOSIC FIBERS. 30p, (figs omitted)  
30refs.  
Order from SLA: \$2.60 as TT-65-12332

Trans. of Faserforschung und Textiltechnik  
(West Germany) v12 n5 p196-207 1961.

I. Groebe, A.  
II. Maron, R.  
III. Klare, H.  
IV. Title: Mechanism ...

MR 630

62-10241

Brandrup, Johannes.  
COPOLYMERIZATION IN ORGANIC PRECIPITANTS.  
Pt. 2 of Copolymerization in a Heterogeneous Medium.  
Dissertation Halle U. (East Germany) 1961. [1961]  
23p. 18 refs.  
Order from SLA \$2.60

62-10241

Trans. of Faserforschung und Textiltech[nik]  
(Germany) 1961, v. 12, no. 5, p. 208-213.

DESCRIPTORS: \*Acrylonitriles, Ethyl radicals,  
Acrylic resins, Copolymerization, Polymerization,  
Organic compounds, Precipitation, \*Polymers.

In the copolymerization of acrylonitrile and ethyl  
acrylate, deviations are found from the copolymer  
composition theoretically to be expected from the  $r$   
values. These changes, not explainable by the copoly-  
merization equation, can be explained by a differential  
(Chemistry--Organic, TT, v. 7, no. 9) (over)

- I. Brandrup, J.
- II. Title: Copolymerization  
in a . . . .
- III. Halle U. (East Germany)

Office of Technical Services

Nosek, Stanislaw.  
THEORY OF FABRIC STRENGTH II. COEFFICIENT  
OF LATERAL CONTRACTION. Jan 64, 3000words  
Order from LSA \$31.00

Trans. of Faserforschung und Textiltech[unk] (East  
Germany) 1961, v. 12, no. 3, p. 395-401.

DESCRIPTORS: \*Textiles, Mechanical properties,  
Fibers (Synthetic)

(Materials--Textiles, TT, v. 11, no. 11)

TT-64-12321

- I. Nosek, S.
- II. Title: Coefficient...
- III. Literature Service  
Associates, Bound  
Brook, N. J.

Office of Technical Services

Roth, Werner and Schroth, Rudi.  
THE SPINNING AND STRETCHING OF POLYCONDENSATE FILAMENTS. III. STRUCTURAL CHANGES IN POLYESTER FILAMENTS CAUSED BY HEAT AND SWELLING AGENTS. [1962] 34p. [39] refs.  
Order from SLA \$3.60

62-16006

Trans. of Faserforschung und Textiltechnik (Germany)  
1961, v. 12, no. 8, p. 361-369.

DESCRIPTORS: \*Synthetic fibers, Production, Density, Crystallization, Heat treatment, Microstructure, Liquids, Temperature.

During the action of heat or organic liquids on unstretched and stretched polyester filaments, structural changes take place influencing the density, shrinking, and stress-strain-behaviour. The changes in differently pre-oriented filaments are investigated and related to crystallinity and swelling. (Author)  
(Materials--Textiles, TT, v. 8, no. 5)

62-16006

- I. Roth, W.
- II. Schroth, R.
- III. Title: Structural ...

NLL REF.

5828.4F(7134)

Office of Technical Services

Investigation of the Substantivity of  
Alkylphosphates Towards Textiles by  
Means of Labelled Radioactive Compounds,  
by H. Zeidler, H. Schiedewitz.  
GERMAN, per, Faserforsch, Vol 12, 1961,  
pp 390-395.  
NLL Ref: 5828.4F (7361)

Sci-Phys  
Mar 69

377,280

Analytical Investigations for Separating Mixtures of  
Monomeric Vinyl Derivatives, by B. Phillip.

GERMAN, per, Faserforschung und Textiltechnik,  
Vol XII, 1961, pp. 581-587.

Possibly to Come From Contacts  
per 10 Dec 62 memo  
USIB INTERNAL USE ONLY

Sci - Chem

Dec 62



Wet Strength of Leaf-, Stalk- and Fruit  
Fibres, by W. Bobeth, H. Martin.

German, per, Faserforschung und Textil-  
technik, Vol XII, 1961, pp 587-593.

GB/221

Sci-M/M

Aug 63

342,028

Simionescu, C., Feldman, D., and Vasiliu, C.  
GRAFTING OF CARBOXYMETHYLCELLULOSE WITH  
ACRYLONITRILE. [1962] [26] p. 19 refs.  
Order from SLA \$2.60

63-10818

Trans. of Faserforschung und Textiltechnik (Germany)  
1962, v. 13, no. 2, p. 70-79.

DESCRIPTORS: \*Acrylonitrile polymers, \*Carboxy-  
methylcellulose, \*Cellulose, \*Copolymerization,  
Polymers, Polymerization, \*Graft polymers.

(Materials--Plastics, TT, v. 9, no. 12)

63-10818

I. Simionescu, C.  
II. Feldman, D.  
III. Vasiliu, C.

Office of Technical Services

Lobel, W.  
ELECTROSTATIC TESTING METHODS. [1962] 20p.  
Order from ATS \$29. 25

ATS-32P63G

ATS-725-GT  
Trans. of Faserforsch[ung und] Textiltech[nik]  
(Germany) 1962, v. 13, no. 3, p. 112-124.

DESCRIPTORS: Textiles, \*Non-destructive testing,  
\*Electrostatics, Test methods.

(Materials--Textiles, TT, v. 9, no. 2)

63-12310

- I. Lobel, W.
- II. ATS-32P63G
- III. Associated Technical  
Services, Inc., East  
Orange, N. J.

Office of Technical Services

The Study of Structural Changes in Poly-  
caproamide Fibers During Deformation in the  
Direction of the Fiber Length, by M. Janbrich,  
I. Discik.

GERMAN, per, Faserforsch Textiltech, Vol 13,  
No 4, 1962, pp 174-178.  
Chem Trans Sv 2881

326,384

Sci - Materials  
May 67

Sych, G. and Reichel, C.  
WATER SORPTION BY GRANULATED POLYETHYLENE GLYCOL TEREPHTHALATE AND ITS INFLUENCE ON MELT STABILITY (Über die Wassersorption an Granuliertem Polyäthylenglykolterephthalat und ihren Einfluss auf die Schmelzstabilität).  
[14 May 63] [17]p. 23 refs.  
Order from SLA \$1.60

63-18275

Trans. of Faserforschung und Textiltechnik (East Germany) 1962, v. 13, no. 6, p. 256-261.

DESCRIPTORS: \*Fibers (Synthetic), \*Polyester plastics, \*Ethylenes, \*Glycols, \*Phthalates, Particles, Water, \*Moisture, \*Sorption, Melting, Stability, Dehydration.

Two methods for determining the water content of granulated polyethylene terephthalate were investigated. The most reliable moisture content values can (Materials--Textiles, TT, v. 10, no. 11) (over)

63-18275

1. Title: Polyethylene glycol terephthalate

I. Sych, G.

II. Reichel, C.

Office of Technical Services

Größe, A., Maron, R. and others,  
CONSTRUCTION AND TESTING OF A LABORATORY  
SPINNING APPARATUS FOR THE PREPARATION OF  
VISCOSE FILAMENTS (Aufbau und Erprobung einer  
Laborspinnapparatur zur Herstellung von Viskose-  
kapillarfäden). [7 Mar 63] [19]p. 5 refs.  
Order from SLA \$1.60

63-18336

Trans. of Faserforsch[ung] u[nd] Textiltech[nik] (East  
Germany) 1962, v. 13, no. 6, p. 264-269.

DESCRIPTORS: \*Filaments, \*Viscose, Preparation,  
Laboratory equipment, Construction, Test facilities,  
Textile industry, \*Fibers (Synthetic).

(Materials--Textiles, TT, v. 10, no. 11)

63-18336

1. Title: Spinning
- I. Größe, A.
- II. Maron, R.

Office of Technical Services

Bobeth, Wolfgang and Kittelmann, Walter.  
ON THE CAUSES OF STRENGTH LOSS OF RAYON-  
CORD YARNS. [1962] 13p. 13 refs.  
Order from SLA \$1.60

63-10752

Trans. of Faserforschung und Textiltechnik (Germany)  
1962, v. 13, no. 7, p. 293-299.

DESCRIPTORS: \*Rayon, Threads, Cordage, Tires,  
Tensile properties, Stretch forming.

The strength loss of rayon cord yarns is influenced by the yarn geometry, yarn construction as well as spinning and testing conditions. In a given rayon yarn the individual filaments do not remain in determined concentric layers but wander through many layers. A uniform tension distribution is not always assured for it depends on many conditions. As the coefficient of friction decreases so should the strength loss for the (Materials--Textiles, TT, v. 10, no. 3) (over)

63-10752

I. Bobeth, W.  
II. Kittelmann, W.

*NRC/Ref C-4256*

Office of Technical Services

Sihvola, Hanes.

DETERMINATION OF DIFFERENT CARBONYL  
GROUPS IN CELLULOSE [Über die Bestimmung von  
Verschiedenartigen Carbonylen in Cellulose]. [1963]  
[11p] 41 refs

Order from SLA \$1.60

TT-64-14423

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1962, v. 13, no. 7, p. 304-309. (Abstract  
available)

Another trans. is available from SLA \$1.60 as  
TT-63-18355, 24 Mar 63 [18p].

DESCRIPTORS: \*Cellulose, Oxidation, Chemical  
analysis, Hydrolysis, \*Aldehydes, \*Ketones

A number of differently oxidized cellulose samples were  
analyzed in using different methods for the carbonyl  
determination; it was found that the results obtained per-  
mitted to draw conclusions about the nature of the  
(Chemistry--Analytical, TT, v. 11, no. 7) (over)

TT-64-14423

I. Sihvola, H.

Office of Technical Services



Philipp, B. and Müller, K.  
MODE OF OPERATION OF VISCOSE ADDITIVES.  
PT. II. BEHAVIOR OF VISCOSE BYPRODUCTS  
SODIUM TRITHIOCARBONATE AND SODIUM SUL-  
FIDE AGAINST ADDITIVES (Chemische Untersuchen-  
gen zur Wirkungsweise von Viskosomodifikatoren,  
Teil II. [22 Mar 63] [26]p. 15 refs.  
Order from SLA \$2.60

63-18341

Trans. of *Faserforschung und Textiltechnik* (East  
Germany) 1962, v. 13, no. 9, p. 385-392.

DESCRIPTORS: \*Rayon, \*Viscose, Additives, \*Sodium  
compounds, Thio radicals, \*Carbonates, \*Sulfides,  
\*Ethylene, Glycols, \*Amines, \*Zinc compounds.

Investigations were aimed at clarifying the question,  
whether and to which extent the reaction between the  
viscose by-products, trithiocarbonate and sulfide, and  
(Materials--Textiles, TT, v. 10, no. 11) (over)

63-18341

I. Philipp, B.  
II. Müller, K.  
III. Title: Behavior ...

Office of Technical Services

Cichowski, Z[igniew].

DECOMPOSITION OF XANTHATES IN PRESENCE OF Zn-IONS (Zur Frage der Zersetzung von Xanthogenaten bei Anwesenheit von Zn-Ionen). Presented at the Synthetic Fibers Symposium in Weimar 29 Mar 62. [11 Mar 63] [13]p. 16 refs.

Order from SLA \$1.60

63-18338

Trans. of *Faserforsch[ung] und Textiltech[nik]* (East Germany) 1962, v. 13, no. 9, p. 393-396.

DESCRIPTORS: \*Fibers (Synthetic), \*Rayon, \*Viscose, \*Cellulose, Ethyl radicals, Sucrose, \*Xanthic acids, Decomposition, \*Zinc, Ions.

The retarding influence of Zn-ions on the decomposition of ethyl and saccharose xanthic acid in homogeneous solutions was investigated. On the basis of the data it was concluded that weakly dissociated stable (Materials--Textiles, TT, v. 10, no. 11) (over)

63-18338

I. Cichowski, Z.

II. Title: Synthetic ...

Office of Technical Services

TT-65-12182

Field 11E

Geleji, F.; Holly, Z.  
PREPARATION AND INVESTIGATION OF ACRYLONI-  
TRILE-VINYL CHLORIDE COPOLYMERS. 11p, 24refs.  
Order from SLA: \$1.60 as TT-65-12182

Trans. of Faserforschung und Textiltechnik (East Germany)  
v13 n10 p437-42 1962.  
Another trans. is available from TC \$11.00 as TC-520 (11p).

I. Geleji, F.  
II. Holly, Z.

MR 626

Grohn, Hans, Deters, Wolfgang, Morsching, Margret,  
and Drause, Wolfgang.

INVESTIGATION ON THE INFLUENCE OF PRE-  
HYDROLYSIS ON THE CONTENT OF SULPHURIC  
ACID LIGNIN IN SPRUCE. [1963] [15p] 42refs  
Order from SLA \$1.60

TT-63-20862

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1962, v. 13, p. 442-449. (Abstract available)

DESCRIPTORS: \*Hydrolysis, \*Lignin, Wood pulp,  
Sulfuric acid, Paper chromatography, Carbohydrates.

Resin extracted spruce wood flour was subjected to pre-  
hydrolysis with 0.5n HCl for different times of pre-  
hydrolysis indicated four different stages in the action  
of acid. Material losses were used as a basis for cal-  
culation of lignin in the original wood. These data were  
compared with the methoxyl numbers of the sulphuric  
acid lignin. A plotting of curves for both values against  
(Materials--Wood, TT, v. 11, no. 4) (over)

TT-63-20862

I. Grohn, H.  
II. Deters, W.  
III. Morsching, M.  
IV. Wolfgang, D.

Office of Technical Services

Zimmermann, Heinz.  
CHEMICAL INVESTIGATIONS OF FIBER-FORMING  
POLYESTERS. I. THERMAL STABILIZATION OF  
POLYETHYLENE TEREPHTHALATE. [1963] 10p  
(figs tables omitted) 23refs  
Order from SLA \$1.10

TT-63-20983

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1962 [v. 13] p. 481-490.

(Materials--Textiles, TT, v. 11, no. 11)

TT-63-20983

I. Zimmermann, H.  
II. Title: Thermal...

Office of Technical Services

63-18384

Mieck, Klaus-Peter and Stöver, Hellfried,  
STATIC AND DYNAMIC CORD TESTS (Über einige  
Ergebnisse Statischer und Dynamischer Cordprüfungen).  
[24 Apr 63] [26]p. 19 refs.  
Order from SLA \$2.60

I. Mieck, K.-P.  
II. Stöver, H.

63-18384

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1962, v. 13, no. 11, p. 502-511.

DESCRIPTORS: \*Tires, \*Fibers, Test methods,  
Mechanical properties.

A method of dynamic measurement of tire cord strength  
is described. The values measured by this method on  
cord threads with different twist, cord threads im-  
pregnated under different tensions and cord threads  
with defined prehistory have been compared with results  
received by the De Mattia test. On the basis of corre-  
lations between the two dynamic testing methods --  
(Materials--Textiles, TT, v. 10, no. 9) (over)

Office of Technical Services

Ulbricht, J. and Tacho, S. D.  
ACRYLIC FIBERS FROM SOLUTION COPOLYMERS.  
PT. III. DYING PROPERTIES, SECOND-ORDER  
TRANSITION TEMPERATURE AND THERMAL  
DISCOLORATION OF THE FIBERS. Part of thesis by  
S. D. Tacho, TH für Chemie Leuna-Merseburg, 1962.  
22 May 63 [20p] 11 refs  
Order from SLA \$1.60

63-18901

Trans. of Faserforschung und Textiltech[nlk] (East  
Germany) 1962, v. 13, p. 564-570.

DESCRIPTORS: \*Fibers (Synthetic), Discoloration,  
Transition temperature, Dyeing, Solutions, Poly-  
merization, \*Acrylonitrile polymers, Acrylic resins.

The dyeability of fibers made from solution copolymers,  
whose preparation was described in Part II of the series,  
was investigated. The absorption of acid dyes increases  
(Materials--Textiles, TT, v. 10, no. 10) (over)

63-18901

- I. Title: Copolymers
- I. Ulbricht, J.
- II. Tacho, S. D.
- III. Title: Dyeing..

Office of Technical Services

Popp, P.  
METHOD OF WASTE WATER PURIFICATION FOR  
THE PRODUCTION OF SUPERCORD RAYON.  
(Verfahren zur Abwasserklärung bei der Herstellung  
von Supercordseide). [3 May 63] [29]p. 5 refs.  
Order from SLA \$2.60 63-18432

Trans. of Faserforschung und Textiltechnik  
(East Germany) 1962, v. 13, no. 10, p. 642-472.

DESCRIPTORS: \*Rayon, Cordage, Production, \*Water  
supplies, \*Wastes (Industrial), Purification, Decon-  
tamination, Sewage, Disposal, \*Sanitary engineering,  
Water filters, Filters (Fluid), \*Spinning, Viscose

(Materials--Textiles, TT, v. 10, no. 11)

63-18432

I. Popp, P.

Office of Technical Services



TT-65-12087

Field 11E

Groebe, A.; Pekala, T.; Jost, H.; Maron, R.; Klare, H.  
ION EXCHANGE IN ZINC CELLULOSE. Communication  
no. 17 On the Fiber Formation of Viscose Capillary Yarns.  
28p, (15 refs omitted) 3 refs.  
Order from SLA: \$2.60 as TT-65-12087

Trans. of Faserforschung und Textiltechnik (East Germany)  
v14 n4 p131-40 1963.

I. Groebe, A.  
II. Pekala, T.  
III. Jost, H.  
IV. Maron, R.  
V. Klare, H.  
VI. Title: On ...  
VII. Title: Fiber ...

MR 625

Determination of the Fineness of Synthetic  
Fibers by the Air Flow Method, by H. Vieth.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 14, No 5, 1963, pp 192-198.  
NTC-71-11610-11E

Feb 72

High Tenacity Fibers of Regenerated Cellulose  
III. The Gel Swelling of Viscose Filaments,  
by H. Schmiedeknecht. 23p.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 14, No 6, 1963, pp 219-227.  
SIA TT-66-10539

Sci-Materials  
Oct 66

313,198

Air Force

8-0002 68-4

R-9677-D

8 Aug 68

Über die Fadenbildung beim Schmelzspinnen(Teil 1)

By: V. GROBE & H. VERSAUMER

From: Faserforschung und Textiltechnik 14(1963) Heft 6

pp ~~249~~ 249-256

( 8 pp )

German - est for wds:

Please translate and type 1 copy only.

Philipp, Burkart and Baudisch, Josef.  
THE EFFECT OF THE PROPORTION OF GFL  
PARTICLES OF VISCOSE SPINNING SOLUTIONS ON  
THE ULTRA-MOLECULAR STRUCTURE OF RE-  
GENERATED CELLULOSE FIBERS. 17p 15refs.  
Order from SLA \$1.60 TT-64-16361

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1963, v. 14 (no. 7) p. 274-280.  
Another trans. is available from SLA \$1.17 as  
TT-64-16174 (10)p.

(Materials--Textiles, TT, v. 12, no. 4)

TT-64-16361

I. Philipp, B.  
II. Baudisch, J.

TT-64-16174

Office of Technical Services

The Rate of Dissolution of Fibrous  
Xanthates in Dilute Aqueous NaOH,  
by B. Phillipp, T. Lukanoff. 19 p.  
GERMAN, per, Faserforschung und Textil-  
technik, Vol 14, No 8, 1963, pp 307-313.  
SIA TT-66-10541

Sci-M&M  
Jul 66

306,027

TT-64-10710

Maron, R., Gröbe, A., Klare, H., and Caspersen, G.  
STUDIES OF THE COAGULATIVE EFFECTS OF  
SPINNING BATHS FOR VISCOSE. [29 Nov 63] [8p]  
17refs

Order from SLA \$1.10

TT-64-10710

Trans. of Faserforschung und Textiltechnik (East  
Germany) 1963, v. 14, no. 8, p. 313-319. (Abstract  
available)

DESCRIPTORS: \*Viscose, Spinning, Coagulation,  
\*Fibres, Zinc compounds, Solutions, Electron micro-  
scopy, Surface properties, Sulfuric acid, Sodium  
compounds, Sulfates,

Viscoses of different degrees of ripeness were spun  
into zinc-free coagulation baths at various tempera-  
tures. Examinations of the shapes of cross section of  
the obtained fibres indicate that the sol-gel transforma-  
tion exerts an influence on these shapes. The circular  
(Materials--Textiles, TT, v. 11, no. 9) (over)

- I. Maron, R.
- II. Gröbe, A.
- III. Klare, H.
- IV. Caspersen, G.

Office of Technical Services

TT-65-12173

Field 11E

Schiedeknecht, H.; Claus, W.  
REACTIONS BETWEEN ALKALI LIQUOR AND CS<sub>2</sub>. Short  
Reports, 7p, 10refs.  
Order from SLA: \$1.10 as TT-65-12173

Trans. of ~~Faserforschung und Textiltechnik~~ (East Germany)  
v14 n9 p386-8 1963.

I. Schiedeknecht, H.  
II. Claus, W.

MR 628



Studies on the Vibrations of Textile Spindles, by R. Barthel.  
GERMAN, per, Faserforschung und Textiltechnik, Vol 14, No 10,  
1963, pp 397-403  
GB/256/ T 1581

Sci -  
Jul 67

335,068

Kinetic Investigation of the Reactions  
Proceeding During the Formation of Regenerated  
Cellulose Filaments, by H. Jost.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 14, No 12, 1963, pp 522-527.  
Chem Trans Sv 2630

326,344

Sci - Materials  
May 67

Inflammability of Cellulose, by H. Demus.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 14, No 12, 1963, pp 549-550.  
(NZDIA)

Sci -  
Aug 67

339,957

TT-65-12175

Field 11E

Gettel, K.  
THEORY OF AIR FLOW THROUGH FIBER PLUGS. 36p.  
17refs.  
Order from SLA: \$3.60 as TT-65-12175

Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 n1 p21-9 1964.

I. Gettel, K.

MR 626

Recognizing the Influence of Pulp and  
Modifiers on the Structure of Cord Rayon  
Fibers from the Rate of Swelling and Dissolving  
in Alkaline Media, by B. Philipp. 31 p.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 15, No 1, 1964, pp 30-39.  
SLA TT-66-10554

Sci-M&M  
Jul 66

306,033

Theory and Practice of Viscose Filtration:  
Effect of Filter Design, Filtration Pressure,  
and Viscose Viscosity on Plugging and Retention  
Properties of Viscose Filters, by A. Matthes.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol XV, No 1, 1964, pp 39-43.  
ATS 21R78G

Apr 67

323,121

Setting of Polyester Fibers by Swelling,  
by E. Wunsch.  
GERMAN, per, Faserforschung, und Textiltechnik  
vol. 15, no. 8, 1964, pp. 381-385.  
NTC 70-16988-11E

June 1971

TT-65-12037

Field 11E

Schmiedeknecht, H.  
PIGMENTATION OF MAN-MADE FIBERS, PART I.  
ASSESSMENT OF DELUSTERING PIGMENTS BASED ON  
TITANIUM DIOXIDE. 47p, 35refs.  
Order from SLA: \$4.60 as TT-65-12037

Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 n5 p215-24 1964.  
Other trans. are available from TC \$23.00 as  
TC-433, 23p and SLA \$2.60 as TT-65-12140, 23p.

GB 118/LTL/1870/J

I. Schmiedeknecht, H.  
II. Title: Assessment ...

MR 624



Contribution to the Study of the Formation  
of Technical Cord Fibers, by M. Stuebner. 23p.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 15, No 7, 1964, pp 289-297.  
SIA TT-66-10547

Sci-M&M  
Jul 66

306,030

TT-65-12073

Field 11E

Philipp, B.; Reichert, H.; Tryonadt, A.; Groebe, V.  
ON TITRATING ACID GROUPS IN HOMOPOLYMERS AND  
COPOLYMERS OF ACRYLONITRILE. Communication no. 7  
of Analysis of Polyacrylonitrile Fibers. 31p, 10refr.  
Order from SLA: \$3.60 as TT-65-12073

Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 n7 p304-15 1964.

I. Philipp, B.  
II. Reichert, H.  
III. Tryonadt, A.  
IV. Groebe, V.  
V. Title: Analysis ...

MR 625

Measurement of Bulkiness of Man-Made Fibre  
Assemblies, by W. Friedmann.  
GERMAN, per, Faserforschung und Textiltechnik,  
Vol 15, 1964, pp 340-352.  
GB/39/Fib. R & T 659

Sci  
Jul 67

334,845

NCH-200 468

Field 7C

Bodor, G.; Grell, M.; Kalló, A.  
INVESTIGATIONS OF THE STATE OF POLYPROPYLENE:  
SUGGESTION FOR THE DETERMINATION OF THE  
CRYSTALLINITY OF POLYPROPYLENE. May 65, 16p,  
11refs. TC-692.  
Order from TC: HCS16.00 as TC-692

Trans. of Faserforschung und Textiltechnik  
(East Germany) v15 p527-32 1964.

I. Bodor, G.  
II. Grell, M.  
III. Kalló, A.  
IV. Title: Suggestion ...  
V. TC-692  
VI. Trans-Chem, Knoxville,  
Tenn.

NCH-200 469

Field 11E

Ruland, W.  
DETERMINATION OF THE STATE OF ORDER OF HIGH  
POLYMERS BY X-RAY METHOD. May 65, 11p, 6 refs.  
TC-693.  
Order from TC: HC\$11.00 as TC-693  
Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 p533-7 1964.

I. Ruland, W.  
II. TC-693  
III. Trans-Chem,  
Knoxville, Tenn.

NCH-201 111

Field 20B, TC

Kilian, H. G.  
THE RELATION BETWEEN CRYSTALLITE SIZE DISTRIBUTION AND PARACRYSTALLINE DISTORTION IN THE CRYSTAL LATTICES OF PARTIALLY CRYSTALLIZED COPOLYMERS OF ETHYLENE. 1965, 16p, 20refs.  
TC-808.  
Order from TC: \$13.50 as TC-808

Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 n11 p637-42 1984.

I. Kilian, H. G.  
II. TC-808  
III. Trans-Chem, Knoxville, Tenn.

NCH-201 112

Field 20B, 7C

Fischer, E. W.  
MELT AND RECRYSTALLIZATION PROCESSES IN SINGLE  
CRYSTALS OF POLYETHYLENE. 1965, 31p. TC-809.  
Order from TC: \$23.50 as TC-809

Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 p545-54 1964.

I. Fischer, E. W.  
II. TC-809  
III. Trans-Chem, Knoxville, Tenn.

NCH-200 470

Field 11E

Jambrich, M.; Diack, I.  
THE EFFECT OF VARIOUS STRUCTURAL MODIFICATIONS  
OF ISOTACTIC POLYPROPYLENE ON THE DEFORMATION  
PROCESS. May 65, 20p, 19 refs. TC-694.  
Order from TC: HC\$20.00 as TC-694

Trans. of Faserforschung und Textiltechnik (East Germany)  
v15 n12 p590-7 1964.

I. Jambrich, M.  
II. Diack, I.  
III. TC-694  
IV. Trans-Chem,  
Knoxville, Tenn.



TT-65-13892

Field 11E

Roth, W.; Schroth, R.  
YELLOWING AND DEGRADATION PHENOMENA OF  
EPSILON-CAPROLACTAM AND POLYCAPROLACTAM.  
13p, 10refs.  
Order from SLA: \$1.60 as TT-65-13892

Trans. of Faserforschung und Textiltechnik (Germany)  
v16 n2 p68-72 1965.  
Another trans. is available from TC as TC-897 \$9.50, 13p.

MR 667

The Influence of Particle Size and Particle  
Charge on Interactions Between Pigments  
and Other Substances, Exemplified by  
Titanium Dioxide, by H. Reichmann.  
GERMAN, per, F.A.T.I.P.E.C. Congr.  
Vol VII, 1964, pp 3-11.  
Chem Trans Sv No 2662

Sci-Chem  
Mar 67

322,113

THE DIRT-REMOVAL ABILITY OF THE VARIOUS LAYERS  
OF THE 0.2 MY CANDLE-SHAPED FILTER ELEMENT,  
BY R. SINHA, 10 PP.

GERMAN, PER, FAUDI FEINBAU, VOL 11, NO 10,  
1960, PP 1-6. 9665799

FTD-TT-62-535

SIC - ENGR  
JUL 62

204,484

The Killer Whale, by Age Jømsgard,  
NORWEGIAN, per, Fauna, No 1, 1950, pp 1-17.  
Dept of Interior  
Fish and Wildlife Service  
BCF, Bureau of Foreign Fisheries

Sci-B&M  
Jul 67

~~333,013~~  
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A Little About Parasitic Nematodes (Roundworms) in  
Fish, by Bjorn Berland, 8 pp.

NORWEGIAN, per, Fauna, Vol XI, No 1, 1958, pp 1-11.

Rix

Fisheries Research Board of Canada  
Biological Stations, St. Andrews, N.B.  
Tr No 650

Sci

Jun 61

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Bianco, S.L. 1931-1933

Eggs, larvae and juvenile stages of Teleostei (Uova,  
larve e stadi giovanili di Teleostei)

Fauna e Flora del Golfo di Napoli, monog. (38), pts. 1  
and 2. Stazione Zoologica di Napoli. 454p. In Italian.

Transl. by IPST for Smithsonian Inst., 1969, 417p.,  
monog.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *AK*

Age Determination of Arctic Char, by Hans Mordang.

NORWEGIAN, per, Fauna, Norsk Zoologisk Forening  
Tidsskrift, Vol IX, No 3, 1956, pp 69-77.

Fisheries Res Board  
of Canada  
London, Ontario

Sci - Biol/Med Sci

Jul 63

23 5648

(NY-7082)

SECTION ON "FOREING ALPHABETS" FROM A TREATISE  
ON DETECTION OF HANDWRITING FORGERIES, BY  
EDMOND LOCARD, 14 PP. GOVERNMENT USE ONLY

FRENCH, BK, LES FAUX EN ECRITURE ET LEUR  
EXPERTISE, 1959, PP 197-211.

JPRS 1386L

SCI - MISC  
MAY 62

197,310



(FDD 23296)

The Free German Trade Unions Federation,  
by Gerhard Haas, 43 pp.

GERMAN, pamphlet, Der FDGB 1954, Bonn, 1954, 48 pp.

CIA/FDD Tr 366

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Soc; Pol

OTS 65/Feb 55

22,740

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